

AMENDMENT TO THE CLAIMS

Please cancel claims 2 and 18-25 without prejudice or disclaimer of the subject matter recited therein;

Please amend claims 1, 3, 5-7, 9 and 11-14; and

Please add new claim 26 as follows:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An electronic fuse, comprising:
an insulating film;
at least one ~~two~~ conductive region regions partially covering the insulating film;
and,
at least one single-type non-conductive region on the insulating film ~~adjacent~~
separating and extending to inner edges of the at least two ~~conductive region regions~~.

Claim 2. (Canceled).

3. (Currently Amended) The electronic fuse of claim 2 1, wherein a resistance is provided which changes by a prescribed value in proportion to a number of blown conductive regions of the at least two conductive regions.

4. (Original) The electronic fuse of claim 3, wherein the resistance increases in substantially uniform prescribed amounts as the number of blown conductive regions of the at least two conductive regions increases.

5. (Currently Amended) The electronic fuse of claim 4, wherein the resistance ~~increasing~~ increases in substantially uniform prescribed amounts allowing digitized sensing levels.

6. (Currently Amended) The electronic fuse of claim ~~2~~ 1, wherein the at least two conductive regions comprise conductive strips and the non-conductive region and the conductive strips are approximately parallel to one another.

7. (Currently Amended) The electronic fuse of claim 1, wherein the at least two non-conductive ~~region~~ regions comprises a non-conductive material.

8. (Original) The electronic fuse of claim 7, wherein the non-conductive material comprises a gas.

9. (Currently Amended) The electronic fuse of claim 1, further comprising a first fuse lead and a second fuse lead disposed on the insulating film in electrical communication with the at least ~~one~~ two conductive ~~region~~ regions

10. (Original) The electronic fuse of claim 9, further comprising at least one electrical contact in electrical communication with the first fuse lead and at least one electrical contact in electrical communication with the second fuse lead.

11. (Currently Amended) The electronic fuse of claim 1, wherein the at least ~~one~~ two conductive ~~region~~ regions are multiple conductive regions defined as conductive strips disposed on the insulating film with the at least one non-conductive region being multiple non-conductive regions between each of the multiple conductive strips, wherein a first end of each conductive strip is in electrical communication with ~~the~~ a first fuse lead and a second end of each electrical strip is in electrical communication with ~~the~~ a second fuse lead.

P26901.A02

12. (Currently Amended) The electronic fuse of claim 9 11, wherein each conductive strip of the multiple conductive strips is in electrical communication with each other conductive strip through at least the first fuse lead or the second fuse lead.

13. (Currently Amended) The electronic fuse of claim 1, wherein the insulating film comprises polysilicon and the at least ~~one~~ two conductive ~~region~~ regions comprises a metal.

14. (Currently Amended) An electronic fuse, comprising:
a polysilicon film with a top surface;
a conductive film disposed on the top surface of the polysilicon film forming a plurality of separate conductive regions; ~~and,~~
non-conductive regions separating the plurality of separate conductive regions;
and
each non-conductive region extending to inner edges of adjacent separate conductive regions.

15. (Original) The electronic fuse of claim 14, wherein the conductive film comprises a metal.

16. (Original) The electronic fuse of claim 14, wherein the plurality of separate conductive regions alternate positions with the non-conductive regions.

17. (Original) The electronic fuse of claim 14, wherein the non-conductive regions are configured to limit current flow through the electronic fuse.

Claims 18-25 (Canceled).

P26901.A02

26. (New) An electronic fuse, comprising:
an insulating film;
multiple conductive strips covering the insulating film;
multiple non-conductive regions on the insulating film separating the multiple conductive strips;
a first end of each conductive strip is in electrical communication with a first fuse lead and a second end of each electrical strip is in electrical communication with a second fuse lead; and
each conductive strip of the multiple conductive strips is in electrical communication with each other conductive strip through at least the first fuse lead or the second fuse lead.